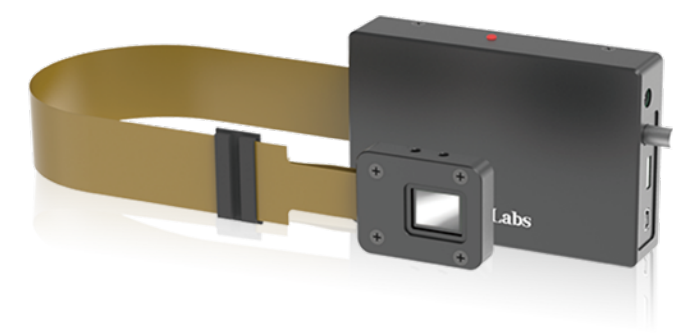


High-Efficiency LCOS Spatial Light Modulator

HDSLM80R DC1064



- ◆ Reflectivity up to 88%~92%
- ◆ Diffraction Efficiency up to 85%

- 1 An Iterative Version Designed for High-power Laser Applications
- 2 The damage threshold at peak power has been increased to 100W/cm².
- 3 Optimized Design of Heat Dissipation Structure to Satisfy High-power Laser Processing

Product Parameter

Type	HDSLM80R DC1064
Resolution	1920*1200
Pixel Size	8μm
Reflectance	Typ: 89% Max: 92%
Wavelength	1064±30nm
Diffraction Efficiency (16th level)	85%
Linearity	R ² > 99.98%
Phase Stability	~0.003π
Phase Retardance	2.48π@1064nm
Damage Threshold	100W/cm ²
Bit Depth	8bit / 10bit
Interface / PC Connection	Mini HDMI / USB 2.0

Application Fields

Optogenetics	Biological Imaging	Nanostructure Etching
Micro-nano Fabrication	Glass/Silicon Carbide/Wafer Hidden Cutting Processing	Special Material Processing Research
Beam Manipulation Optical Field Control	Laser Direct Writing Lithography	Precise Phase Measurement



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